

ANNOUNCEMENT FOR THE OPENING OF AN INTERNATIONAL SELECTION TENDER PROCEDURE FOR DOCTORATE HIRING PURSUANT OF DECREE-LAW NO. 57/2016 OF 29 AUGUST

Internal identification of the call:

1. Following the request by the Institute for Systems and Robotics at Instituto Superior Técnico-Lisbon (IST), the board of directors of IST-ID have decided to open an international call to hire a researcher holding a PhD to carry out research activities in the scientific area of Biomedical Systems and Biosignals, with a work for a non-fixed term contract “ contrato resolutivo incerto”, according to the Labor Code. The scientific requisites for hiring this researcher and the work plan are:

Ability to acquire and process fluorescence images using quantum dots for the detection of molecular biomarkers at cellular and tissue level in gastrointestinal samples, namely membrane and cytoskeletal proteins. The signals obtained using this fluorescent nanoparticles will be compared with classical fluorescent markers for quantitative molecular imaging.

Under point b) of n.1 and under n.3 of the article 7º of the Decree Law n.57/2016, from August 29, and also under point g) of n.2 of article 140º and under n. 4 of article 148º for the Labor Code approved by Law nº 7/2009, from February 12, in the working contract that will be signed following this call, it will be specified that this a non-fixed term contract “termo resolutivo incerto, which will be associated to the duration of the research project I&D TRACE, PTDC/BBB-IMG/0283/2014, supported by Portuguese funds through the Portuguese Foundation for Science and Technology, FCT/MECC(PIDDAC), but cannot last for more than 6 years, according to the regulations mentioned above. The hired PhD will develop his/her work within the above mentioned research project, being thereby, and according to the effects of the point g) of n.2 of the article 140º of the Labor Code carrying out a task that is scientifically specific, well defined and limited in time.

2. Applicable Legislation

Decree-Law no. 57/2016 of 29 August, which approved the doctorate hiring regime destined to stimulate scientific and technological employment for all knowledge areas (RJEC).

Labor code, approved by the Law n. 72/2009, from February 12, in its present form.

3. Pursuant to article 13 of RJEC, the tender selection panel shall be formed by:

Prof. João Sanches (DBE/IST) (President of the Panel),

Prof. Luís Custódio (DEEC/IST),

Prof. Raquel Seruca (i3S/IPATIMUP/UP)

4. Workplace shall be at Institute for Systems and Robotics, at Instituto Superior Técnico-Lisbon, and at Instituto de Inovação e Investigação em Saúde - i3S at Oporto.

5. The monthly remuneration, to be specified in the individual work contract for a non-fixed term that will be signed following this call, will be of the remuneration level **33** of the Single Salary Table (TRU), approved by the “Portaria n.º 1553-C/2008”, of December 31, which is presently 2128,34 Euros. This remuneration corresponds to Level 1, specified at point a) of n.1 of article 15º of the Decree Law 56/2017, and was approved by the board of directors of IST-ID in May 9, 2017,

following a proposal by the “Comissão Coordenadora do Conselho Científico” of the IST-ID of April 27, 2017, considering that, in this call, as established in the above mentioned legal rule, no post-doctoral experience nor scientific curriculum after the completion of the PhD are required.

6. Any national, foreign and stateless candidate(s) who hold a doctorate degree in Biomedical Systems and Biosignals, Biological Sciences or related scientific area and a scientific and professional curriculum whose profile is suited for the activity to be performed can submit their applications. In the event the doctorate degree was awarded by a foreign higher education institution, said degree must comply with the provisions of Decree-Law no. 341/2007 of 12 October, and all formalities established therein must be complied with at the application deadline.

7. According to article 5 of RJEC, the selection of the candidates is based on the assessment of their scientific and curricular records.

8. Assessment:

8.1. The assessment of applicants' scientific and curricular record is focused on the relevance, quality and up-to-dateness:

- a) of scientific and technological production in the last five years, deemed most relevant by the candidate;
- b) of research activities, applied or based on practical work, developed in the last five years, deemed most impactful by the candidate;
- c) of knowledge extension and dissemination activities developed in the last five years, namely under the scope of the promotion of culture and scientific practices, deemed most relevant by the candidate.
- d) of management activities related to science, technology and innovation, in Portugal or abroad.

8.2. Considering the conditions that support the establishment of the remuneration level 1 for the non-fixed contract that, eventually, will be set as a result of this call, the assessment of applicants' curricular record, namely of those applicants with reduced post-doctoral experience or even without scientific curriculum after the PhD degree, will be focused on their formation, whatever its natures, and that the jury considers also to be relevant to carry out the tasks/functions to be developed within the project that supports the work contract and which is described in point 1 above.

9. The period of five years mentioned in the previous point can be extended by the panel, upon request of the applicant, when there is a suspension of the research activity that is entirely justified by socially protected reasons, namely, by parental leave, extended serious illness, and other situations that, legally supported, prevented the applicant to carry out the work plan in a regular mode.

10. Assessment criteria of the applications that fulfil the requirements defined in point 6 are those listed below, a particular relevance is given to the applicants' curriculum vitae and her/his contributions, considered by the applicants as the most relevant ones over the last five years, in the area of the tasks that are going to be developed within the research project that supports the work contract:

10.1. Notwithstanding the provisions of point 8.2 and in what concerns the quality of the

scientific, technological, cultural or artistic production, considered by the applicant as the most relevant, scale 0-20, to which a weight factor of 40% was given, regarding the following parameters:

- Topic
- .impact
- .scientific/technological and innovation level
- .diversity and multidisciplinary
- .international collaboration
- .importance of such contributions for the progress of the actual stage of knowledge
- .importance of the work selected as the most representative by the applicant in what concerns her/his contribution to the development and evolution of the scientific area that encompasses this call.

10.2. Notwithstanding the provisions of point 8.2 and in what concerns the applied research activities or those based on practical activities, considered by the applicant as the most relevant, scale 0-20, to which a weight factor of 25% was given, regarding:

- .technological level and importance of those contributions, in particular for the activity are in which the work to be carried out within the project that supports this work contract
- innovation and diversity
- .authorship and co-authorship of models and industrial drawings, taking into consideration their nature, the territorial scope, the technological level and the obtained results.

10.3. Activities of knowledge extension and dissemination, namely in the context of the promotion of scientific culture and practice, considered by the applicant as the most relevant, scale 0-20, to which a weight factor of 10% was given, regarding:

- . industrial and intellectual property
- .scientific and technological dissemination publications: papers in journals, in national conferences and others, considering their professional and social impact;
- .services to the scientific community and to the society: parameter that takes into account the participation in scientific and technological dissemination activities and considering the subject and results obtained, when carried out with:
 - scientific community, namely upon organization of conferences and conventions;
 - the media;
 - companies and public sector.

10.4. Contribution to management of science, technology and innovation programs activities or experience in observation and monitoring science and technology systems or higher education, in Portugal or abroad, scale 0-20, to which a weight factor of 5% was given, regarding:

- participation in the university, school or research unit activities: parameter that takes into consideration the nature and the responsibility resulting from the duties

10.5. Presentation to the Jury of results obtained by the applicant in his/her previous research activities, in particular within his/her PhD activities, followed by a debate on the presentation contents and its innovative character, scale 0-20 (20%)

11. The final classification of each application is scored in a scale 0-20. This is the average of the classification given by the panel in each of the assessment items. Should there be tie, the final decision is the responsibility of the President of the panel.

12. Minutes of panel meetings shall be executed and shall include a summary of all occurrences of said meeting, as well as of all votes casted by the members and respective reasoning, and shall be provided to candidates whenever required.

13. After the application of the assessment criteria, the panel will prepare a ranking of the approved applicants with the corresponding final classification. Approved applicants are those that have obtained a classification equal or higher than 17.

14. The final decision of the panel will be validated by the President of IST-ID, who will also decide on the work contract.

15. Submission of applications:

15.1. Applications are formalized upon application sent to the President of the Panel, including announcement identification, full name, parents' names, ID card, or Citizen Card number and date, or civil identification number, taxpayer ID number, date and place of birth, marital status, occupation, residence and contact address, including email address and telephone.

15.2. The application must be accompanied by the documents necessary to demonstrate that the applicant fulfils the conditions required in points 6,7, and 8 for admission into this call, namely:

- copy of the academic certificate or diploma;
- detailed curriculum vitae organized according to the items mentioned in point 10
- other relevant documents that allow the Jury to decide on applicants' qualification in a related scientific area (point 6);
- brief description of the most relevant scientific activities over the last five years (1page A4 maximum), according to n.2 of the article 5 of RJEC and point 10 above;
- other documents that the applicant justifies to be relevant for the assessment of his/her application [e.g. PhD thesis]

15.3. All application documents should be sent, exclusively as PDF documents, to the following e-mail address asantos@isr.ist.utl.pt with jmrs@tecnico.ulisboa.pt in CC, submitted up to the call deadline, which is established as **30 working days after the publication of this call**.

16. All application documents, including those provided by the applicant during the assessment procedures, must be in Portuguese or English, though the President of the panel may request that, over a reasonable period of time, a translation to English of a previously document submitted in Portuguese is provided, should a Jury member may not master the Portuguese language.

17. All candidates who formalize their applications in an improper way or fail to prove the requirements imposed by this tender are excluded from admission. In case of doubt, the panel is entitled to request any candidate to present further documentation supporting their statements.

18. False statements provided by the candidates shall be punished by law.

19. The list of admitted and excluded applicants, as well as the ranking of the approved applicants will be published at IST-ID website, being all applicants notified by e-mail, with return receipt.

20. Preliminary hearing: After notification, the applicants have ten working days to give their views about the Jury's decisions.

21. This call is exclusively open to fulfil the advertised working position, and it may be terminated before the publication of the final ranking of the approved applicants. It also terminates when the working position is occupied by the selected applicant.

22. Non-discrimination and equal access policy: IST-ID actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

23. Pursuant to Decree-Law no. 29/2001 of 3 February, disabled candidates shall be preferred in a situation of equal classification, and said preference supersedes any legal preferences. Candidates must declare, on their honour, their respective disability degree, type of disability and communication/expression means to be used during selection period on their application form, under the regulations above.

Lisbon, 10th July 2017